Amendments to Claims

Kindly cancel claim 39, cancel claims 19, 21, 22, and 34-38 (all previously withdrawn), and presently amend claims 28, 29 and 32, as indicated in the following complete listing of claims:

Listing of Claims

Claims 1-18. (cancelled).

Claim 19. (cancelled).

Claim 20. (cancelled).

Claims 21-22. (cancelled).

Claims 23-26. (cancelled).

Claim 27. (cancelled).

Claim 28. (currently amended) A motif-specific, context-independent antibody that specifically binds a recurring kinase consensus substrate motif or a protein-protein binding motif [comprising], said motif consisting of up to four invariant amino acids, [and] at least one phosphorylated amino acid, and optionally, one or more variable/degenerate amino acid position(s), said antibody [recognizing] specifically binding said motif in a plurality of different peptides or proteins, [within a genome that contain] from an organism in which said motif recurs, wherein said antibody is not a site-specific antibody.

Claim 29. (currently amended) The antibody of claim 28, wherein said kinase consensus substrate motif is selected from the group consisting of MAPK consensus substrate motifs (PXS*P), CDK consensus substrate motifs (PXT*/S*PXR), PKA consensus substrate motifs (RRXT*), Akt consensus substrate motifs (RXRXXT*), and bulky ring-directed kinase consensus substrate motifs ([F/Y][T*/S*] or [S*/T*][F]), and wherein said protein-protein binding motif is a 14-3-3 binding motif (RSXS*XP).

Claim 30. (previously presented) The antibody of claim 28, wherein said antibody is monoclonal.

Claim 31. (previously presented) The antibody of claim 28, wherein said antibody is polyclonal.

Claim 32. (currently amended) The antibody of claim 28, wherein said antibody is produced by a method comprising the steps of:

(a) constructing a combinatorial peptide library comprising (i) a fixed motif, wherein said fixed motif comprises said kinase consensus substrate motif or said protein-protein binding motif, and (ii) a plurality of degenerate amino acids surrounding said motif;

(b) immunizing a host with said peptide library; and

(c) isolating antisera from said host, and purifying said motif-specific, context-independent antibody from said antisera [, said antibody recognizing a plurality of peptides or a proteins within a genome that contain said motif].

Claim 33. (previously presented) The antibody of claim 32, wherein said method further comprises the step of utilizing spleen cells from said host of step (b) to generate at least one monoclonal, motif-specific, context-independent antibody.

Claims 34-38. (cancelled)

Claim 39. (cancelled)